

QUICK SCAN X-RAY DETECTOR

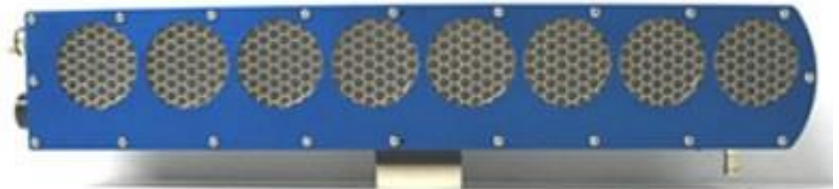
Model ~ P-8Neon Series
P-8Neon A ~ P-8Neon ASC

FEATURES:

- DETECTS – ALPHA, BETA, GAMMA, X-RAY
- QUICK SCAN OF LARGE AREAS FOR X-RAY LEAKS
- 2" X 16" SENSITIVE AREA
- 8 DETECTORS ON PADDLE
- EACH DETECTOR INDIVIDUALLY ALARMED FOR PINPOINTING LEAK
- USER SETTABLE ALARMS
- ALARMS – VISUAL & AUDIO
- SUITCASE MODEL AVAILABLE IN THE **P-8NEON-ASC**



P-8NEON TOP WITH TWO HANDLES



P-8NEON BOTTOM WITH 8 DETECTORS

DESCRIPTION:

Scanning large surfaces like walls of equipment is time consuming, labor intensive and as such is financially costly if done with hand held devices. The P-8Neon has 8 detectors on a paddle with a handle. Sweeping large surface area is quick and efficient. The detectors alert individually providing a pinpoint identification of any leak. Utilizing a handheld device to further identify the leak is then easily done.

APPLICATION

RADIOACTIVE CONTAMINATION ON:

- X-RAY SCANNERS
 - PACKAGES
 - FLOORS OR WALLS
- State and Federal Regulations require that devices that use or produce X-rays must not emit (leak) X-rays in excess of 0.5 mR/hr from any 10 cm² area as measured at a distance of 5 cm.
- This should be verified by complete measurement at time of manufacture, again, upon installation, and periodically thereafter.
- Specific measurement of alarmed leak area with a small accurate X-ray mR-meter such as Technical Associates' **Model TBM-IC-X-RAY** with 10 cm² active detector area X-Ray compliance adapter is ideal for this task.
- Manually scanning the surface of a large cabinet x-ray machine or airport luggage scanner, etc. typically 10 square centimeters at a time is quite tedious.

Technical Associates' Quick Sweep Rad Detector **P-8NEON-A** eliminates such labor intensive scans with large equipment.



TECHNICAL ASSOCIATES
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Divisions of



US NUCLEAR CORP

QUICK SCAN X-RAY DETECTOR

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PROCEDURE:

1. Pick one side of X-ray cabinet to check first.
2. Use chalk to divide this side of cabinet into regions or strokes, each 16" wide.
3. Set X-Ray emitter to continuous emission or continuous use if possible.
4. Place **P-8NEON-A** Probe against side of cabinet and sweep it along at about 1 "/second.
5. Watch the 8 lights on the **P-8NEON-A** for constant red light.
6. Use the chalk to mark the location of the alarmed light.
7. Then continue your sweep.
8. When sweeps are completed, come back and repair shielding at the "hot spots" or measure precise mR/hr with TBM-IC-X-Ray.

SPECIFICATIONS:

Detector: Measures Alpha, Beta, Gamma, X-Ray.
Sensitive Area 2" x 16" (206 cm²), Window 1.5 - 2.0 mg/cm

Temperature: -10 C° to 40° C

ALARM:

Locator Lights: 8 Large Red LED's indicate which of the 8 detectors is firing, i.e. detecting an X-ray leak.

Audio: Click rate is proportional to radiation level to help locate hottest spots.

Audio emits clicking sound.

Red light and audio alarm show if total count-rate is above preset users level.

(User settable).

High: Trips at 1 mR/hr- or use recessed adjustment.

Alert: Trips at 0.1mR/Hr or Adjust.

P-15 probe: Separable 2" dia. Probe with cable and mounting clip. Use for hard to reach corners.

FEATURES	P-8NEON-A
Alarm levels	Alert and high
Alarm Audio	High/low switch
Handles	Round handle plus metal loops
Carry Case: P-8 NEON-ASC	Hard sided case, Fitted Foam Handle and shoulder strap



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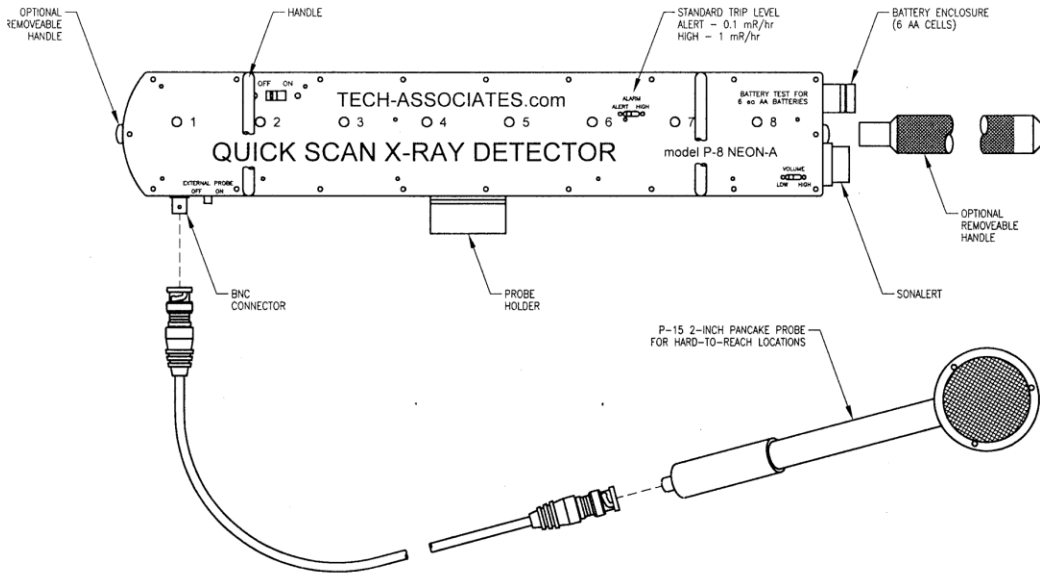
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